

# Karen Salamy Sorted By Project

## 200103 - Core CTD Data - MDUC

- Updated latest round of ROV CTD QC flags into EXPD for Rob Sherlock. (Week 2)
- Updated latest round of ROV CTD O2 flag updates from Rob Sherlock. (Week 4)
- No updates from Rob this week. (Week 5)
- Updated latest ROV CTD O2 flag information into the EXPD. (Week 6)
- Entered recent data into EXPD for Ventana CTD O2 flags (Week 9)
- Working with Rob to better define some of the ROV CTD O2 flag states (0-3) (Week 20)
- Updated the EXPD with the most recent ROV CTD O2 data flags from Rob Sherlock. (Week 24)
- Updating all new ROV CTD O2 flags to EXPD. (Week 25)
- Will update new ROV O2 flags within the EXPD for Rob S. (Week 27)
- Updated the EXPD with the most recent ROV CTD O2 flag reviews from Rob. (Week 44)
- Updated EXPD with the most recent ROV CTD O2 flags from Rob. (Week 46)

## 300057 - Mooring Maintenance

- Checking in on intermittent issues with M1 data downloads. Working with Jared and Kevin to try and determine the cause. (Week 2)
- Weekly checks for data downloads (Week 3)
- Monitoring intermittent M1 download issues (Week 3)
- Reviewed download and maintenance on coredat8 server. (Week 4)
- Weekly maintenance and checks on data downloads for moorings. (Week 5)
- Continue weekly coredat8 maintenance and downloads. (Week 6)
- Tomorrow is the first M1 meeting of 2025. The management team has requested that more reasoning be offered to keep the M1 deployment time series going. (Week 6)
- Performed weekly checks on the mooring systems (Week 9)
- Weekly maintenance and download checks (Week 15)
- Attended a meeting last week regarding the upcoming Mooring proposal process and submission. (Week 20)
- Working with Jared to set up the M1 202507 test system for deployment in July. The system is currently set up in the Bird Cage. (Week 24)
- Working with Jared F. to prepare the M1 mooring turn scheduled for July 24, 2025. The system has been moved from the bird cage testing to the dock for testing. Downloads are proceeding. (Week 25)
- Set up testing directories for Jared for the upcoming M1 turn deployment at the end of July. (Week 27)

- Prepping for M1 Mooring turn tomorrow AM. (Week 30)
- Just found out about an upcoming OA2 deployment on Sept. 16th. I have created the proper directory structure for testing and deployment. There will be a new CTD (RBR Concerto3) instead of a microcat. I have asked both Jared F. and Chris W. to potentially help me set up this new device accurately prior to the deployment. (Week 37)
- Weekly maintenance and management of coredata8 data downloads. (Week 41)
- Weekly maintenance and checks on data downloads (Week 42)
- Reviewed downloads from mooring for the week (Week 44)
- Spoke with Paul Coenen briefly regarding the Mt. Toro data link. (Week 44)
- Check downloads from the moorings and maintenance of the server. (Week 46)
- Weekly review and maintenance of coredata8 (Week 49)
- Weekly monitoring of data downloads. (Week 50)

## 901101 - Seafloor Mapping

- Reviewed various dives and issues on Github. (Week 4)
- Checked in a few enhancement updates for issues this week. (Week 5)
- Working on Github requests for viewing the map and data pages on a screen-only device like a pad or phone. (Week 6)
- Discussed helping Jenny P. in late July with the SMDB GUI. (Week 24)
- I am planning to return to work on this project after the M1 and SINKER deployments in mid-July. (Week 25)
- Met briefly with Jenny P. about when my time will be needed this year to address various issues for the SMDB (October, 2025) and how many hours may be needed for next year in the current proposal process. (Week 27)
- Met with Jenny Paduan regarding the outlined work for me on the SMDB GUI (Week 42)
- She mentioned that work on it will be delayed for a month or so due to an overhaul of the code by Mike M. (Week 42)
- Began refreshing my memory of building the SMDB local system. I plan to start working on the SMDB UI to complete various users requests for the system next month. (Week 44)
- Set up a new test server (smdb-dev) for updating the SMDB dash. This allows me to test all of the missions and UI edits prior to creating a pull request for the production site. (Week 46)
- Began addressing issue fixes for the science team on the new test server including map display for the home page, filtering of missions on the home page map, drawing a bounding box of missions (filtered and unfiltered) that will then produce and exportable spreadsheet of each mission in the bounding box. (Week 46)
- Planning final upgrades to the SMDB Dash and push to the production server next week. (Week 49)
- Fixed the database load deletion on my development server smdb-dev following the VM upgrades last week. The download of the database took several hours to complete. I now have a nightly backup system to hopefully avoid the deletion from occurring on the server again. (Week 50)
- The new development server for the SMDB project can be found at: (Week 50)

## 901805 - Coastal Biogeochemical Sensing Program

### 902101 - LRAUV Technology Development

- A 2025 kickoff meeting is set for tomorrow at 10AM with Brian and Quinn (Week 5)
- Met with Brian and Quinn to go over the most important Github issues to be addressed first thing when SUMO Creations is back on board for Dash5. (Week 6)
- Began work for Brian to implement a Waypoints Layer for the Map on Dash 5. (Week 9)
- Large focus this week on Map updates for the Dash5. (Week 15)
- Working hard to complete many of the updates on the Map for the team before shifting my focus over to Sinker (Week 20)
- Worked on a quick issue last week for the project. (Week 24)
- Sat in a ZOOM meeting with the LRAUV team and indicated my time is on the SINKER until mid-July's deployment. I was asked to add three Github issues for the team late last week which were user-comments using the new Dash5 UI. The team is shifting to the new Dash5 full time as needed/possible. (Week 27)
- Added new github issues for Dash5 for the LRAUV team. (Week 30)
- I have added several of the new issue requests for the Dash5 LRAUV project during the last week (CANYON). I still have a few more to go but will finish these this week. (Week 37)
- I added a few of the requested LRAUV Dash5 issues on the Github server this week. (Week 42)
- Added a few github issues for Dash5 from users via testing. (Week 44)
- I will be resuming updates to github bug requests this week until the end of the year. (Week 50)

### 902306 - SINKER

- First meeting scheduled for Tuesday next week. (Week 3)
- Spent some time yesterday setting up a basic SINKER Dash UI framework to show at the kickoff meeting yesterday @4PM. The final SINKER dash will look different but it allowed the team to start thinking of what they would like to see. (Week 5)
- (Week 5)
- I also spent a little time working on a SINKER logo for the site as well. (Week 5)
- (Week 5)
- Had a meeting with Danelle earlier this week to discuss setting up some scaffolding for the SINKER Dash (Week 6)
- Participated in a meeting regarding the UI for Sinker and the teams expectations. (Week 20)
- Working with Danelle Cline to start to build up of the front end in React on the VM sinker.shore.mbari.org (Week 20)
- Building up the new SINKER DASH for the team preparing for their mid-July deployment. (Week 24)
- Discussed my time for 2026 proposals. (Week 24)

- Designed/Developed proto-type GUI for July MARS deployment. The SINKER team liked the design so I will move forward with the build and connection to Danelle's API code when ready. The main push for this deployment will be the ability to view images in RT for the team. I built a temporary schematic drawing for the instrument to try and plug in Alerts and some activation controls. An illustrator will join the team in early JULY and if there is time before the deployment I will try to integrate that schematic into the GUI as well. Controls will be most likely implemented in the next deployment later in the year. (Week 25)
- (Week 25)
- The main focus of my work this week is building and testing the new SINKER UI. (Week 27)
- Met with Danelle yesterday to discuss the backend development for SINKER and what alerts and alarms may be included in the API. We also discussed the UI grabbing live RT images from the sinker server using nginx. (Week 27)
- The new illustrator for the SINKER team has created a system diagram that will be included with an overlay for alerts and visual updates in the UI. Working on that today. (Week 27)
- The first SINKER dash is up and running on [sinker.shore.mbari.org/sinker](http://sinker.shore.mbari.org/sinker). The deployment of the system went well on the 15th of July, however, there have been some major power issues for SINKER on MARS. Several cameras have had to be turned off to save power. Images are still being taken and slowly transferred daily but it is not possible to truly show images and videos in RT. Danelle and I are discussing the temporary setup of a docker volume that would contain all of the images taken for this deployment to display for the team on the Dash. More on that soon hopefully. (Week 30)
- Heavily focused on the SINKER UI updates for the SINKER team. Added data view capabilities in real time under the Data Menu item (Week 33)
- (Week 33)
- Much of my time over the last week was spent testing and preparing some major SINKER-DASH updates for the SINKER production server. These updates were implemented last night. (Week 37)
- Burning the midnight oil on getting sinker-dash to work with Danelle's backend changes last week. I am currently testing against her full backend stack running on sinkerdev. I am having some real issues getting the backend ADCP and some Camera/lights realtime data points to supply data to the sinker-dash. I need to finish this up and get it all working in the production server ASAP as I have to move onto other projects. (Week 40)
- Battling production deployment issues for the SINKER App on the sinker production server. It is running well on the dev server but just not working on the production. I need to discuss this with Danelle and determine next steps. (Week 41)
- Last week I "froze" the SINKER app UI code for the year. It is up and working at [sinker.shore.mbari.org/sinker/](http://sinker.shore.mbari.org/sinker/). This is only version 1.0 and I have asked the SINKER team to review its functionality and to test various aspects of the web interface. I have also asked them to provide a list of issues that they would like to update, or fix. There is more to do but it is up and working. (Week 42)

- Majority of week spent on the SINKER for final updates to requests on the app before the recovery of the system on Dec. 17. (Week 49)
- Attended a SINKER meeting yesterday to discuss the need to create a SQL Database for the data we have collected and will collect in the future. (Week 49)
- Completed 2025 SINKER Dash updates and revision requests. The app can be found here: (Week 50)

## 902403 - Expedition DB Modern

- Attended the first 2025 kickoff for EXPDM with Mike M. Mike reviewed the new Django app structure he has built. (Week 6)
- Checked in various UX code updates including fixing some bugs with the precruise and updating the Home Page for the new EXPD to be similar to the existing one on Canyon Head. (Week 9)
- Attended the weekly team meeting on database updates and progress by Brian. I owe him some quick research on most popular SQL calls by users for the pre and post cruises in the past. (Week 20)
- I attended team meetings. (Week 24)
- I am planning to return to work on this project after the M1 and SINKER deployments in mid-July. (Week 25)
- No meeting this week. (Week 27)

## Out of Office

- On Vacation for Christmas Holidays: Mon. Dec. 22, 2025 - Fri. Jan 9, 2026. Back in the office on Jan 12th. I will be online and available to help during this time, albeit intermittently.
- On-campus 3 days/week ( **T, W, TH**). New OFFICE - G106.
- Vacation March 3-11, 2025 - Holiday Vacation
- On-campus 3 days/week ( **T, W, TH**).
- Out sick several days this week. :(
- Took a personal day yesterday to help a family member.
- Out sick several days last week. :(
- Personal Bereavement April 9-14, 2025 - Family funeral
- June 17, 2025 - Personal vacation day
- June 19-20, 2025 - Personal vacation day
- June 19-20, 2025 - Personal vacation time
- July 30-August 5, 2025 - Personal vacation time
- See Overhead comments above.
- Working from home today due to a sinus infection

## Overhead

- Spent some time setting up my new office. G106. (Week 2)
- Went to lunch with the SWE group yesterday. Thanks Kevin! (Week 2)

- Had my annual review with K. Gomes on Monday. (Week 5)
- Meetings. (Week 6)
- Attended numerous project meetings this week. (Week 9)
- Helped DMO with precruise privileges. (Week 9)
- Several talks and repo support (Week 15)
- Spent quite a bit of time helping update the pre and post cruise email scripts with Peter, Matt and Joe following the MBARI email upgrade to Outlook. The emails all seem to be working again. (Week 20)
- Various festivities for the DOEST, Board Meeting, Ship christening, etc., etc., (Week 24)
- Some on-line tutorials and meetings. (Week 25)
- Attended various talks and performed other overhead tasks throughout the week. (Week 27)
- Reading proposals for my 2026 allocated time. (Week 30)
- Gone next week for vacation. (Week 30)
- Returned from vacation and going through emails. (Week 32)
- Updated the precruise text as requested by Matt S. (Week 32)
- Provided Bill Ussler with some information on how to properly dispose of the Drill Sled Blasting Caps that were stored in the hazardous waste bunker. (Week 32)
- Just returned from vacation and spent time catching up with email and project updates. (Week 33)
- Had a bit of a family emergency the last 2 weeks but am now back in the office T, W, Th. (Week 37)
- A lot of my overhead this past week was more for keeping my household going while the family situation progressed. I continued to work albeit remotely. (Week 37)
- The Sci Comm interviewed me for their new webstory about SINKER on 9/25. (Week 40)
- Issues with the SVN and CVS web apps following the upgrade from CENTOS to ROCKY. Will work on it when I have a few minutes. (Week 41)
- I have spent time today working to bring back up the SVN repo web view page on the kahuna server. IS upgraded all of the CentOS systems (including moonjelly and kahuna) last week to Rocky Linux. The old ViewVC code which hosted the browser viewing of the repositories on both servers was incompatible with the OS change. I have focused on the SVN repo today and was able to update the ViewVC version to 1.3 which is compatible with python3 that is running on the OS. I admit this work has been quite challenging but I was finally successful in the upgrade and am working on the functionality and the look and feel. I believe Peter W. is currently looking into the CVS repo web browser. (Week 42)
- Completed both Traliant online Training courses for HR. (Week 44)
- Sent in the annual purchase order to Maintenance Reseller Corporation for MBARI's two seats for MathCAD. (Week 44)
- Various talks, meetings and ceremonies this past week. (Week 46)
- Out of Office for Thanksgiving Holiday last week. (Week 49)
- Looking into an IS vulnerability alert and how to best approach the fix for both: (Week 50)